

CTEN Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18466a

Specification

CTEN Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8IZW8
Other Accession	NP_116254.4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	132-159

CTEN Antibody (N-term) - Additional Information

Gene ID 84951

Other Names

Tensin-4, C-terminal tensin-like protein, TNS4, CTEN

Target/Specificity

This CTEN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-159 amino acids from the N-terminal region of human CTEN.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CTEN Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CTEN Antibody (N-term) - Protein Information

Name TNS4

Synonyms CTEN

Function Promotes EGF-induced cell migration by displacing tensin TNS3 from the cytoplasmic tail of integrin ITGB1 which results in dissociation of TNS3 from focal adhesions, disassembly of actin stress fibers and initiation of cell migration (PubMed:[17643115](#)). Suppresses ligand-induced degradation of EGFR by reducing EGFR ubiquitination in the presence of EGF (PubMed:[23774213](#)). Increases MET protein stability by inhibiting MET endocytosis and subsequent lysosomal degradation which leads to increased cell survival, proliferation and migration (PubMed:[24814316](#)).

Cellular Location

Cell junction, focal adhesion. Cytoplasm, cytoskeleton

Tissue Location

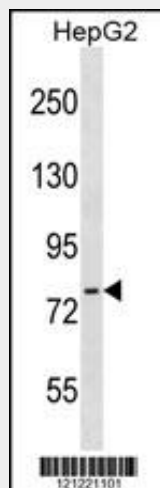
Expressed at low levels in colon (at protein level) (PubMed:19214987, PubMed:19487278). Expressed in prostate and placenta (PubMed:12154022).

CTEN Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CTEN Antibody (N-term) - Images



CTEN Antibody (N-term) (Cat. #AP18466a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CTEN antibody detected the CTEN protein (arrow).

CTEN Antibody (N-term) - Background

TNS4 may be involved in cell migration, cartilage development and in linking signal transduction pathways to the cytoskeleton (By similarity). May promote apoptosis, via its cleavage by caspase-3.

CTEN Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Li, Y., et al. Prostate 70(1):48-60(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Liao, Y.C., et al. Cancer Res. 69(11):4563-4566(2009)
Martuszezwska, D., et al. PLoS ONE 4 (2), E4350 (2009) :